

## **2015 ILRS Technical Workshop**

### **3.4 Orbital Debris Laser Ranging Station Stuttgart**

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The German Aerospace Center is currently setting up a new Laser Ranging Station in Stuttgart to study novel techniques for space debris observations. In its current first phase, the laser ranging channel is tested on ILRS targets, using a maximum pulse energy of 100 uJ at 1 kHz.

The simple and inexpensive design allows it to be used as an upgrade to many existing astronomical observatories. It is constructed completely out of COTS components and avoids the use of a Coudé path.

This contribution will briefly introduce the current system and the planned upgrade to higher pulse energies.